Work Ord January-30-14					*112	247*						Page 1
Item ID: Revision ID:	D3407-041	D 8 4	07-0	1 1	Accept	*N900	040	100	<b>)*</b> s	Setup Sta	rt *N	S1*
Item Name:	Tow Ring	B 1	12247	*						Sto	p *N	S2*
Start Date: Required Date Reference:	1/30/14 :: 1/30/14	Start Qty: 10.0 Req'd Qty: 10.0		*10* *10*		Cust Item 1 Customer:	Cust Item ID: Customer:					•
Approvals:	Process Pla	in: MLJ	Date: _	14-01-31	Tooling: SPC (Y/N):		ate:		. <b>F</b>	tun Sta Sto	<b>^ \</b>	R1* R2*
Sequence ID/ Work Center 1	ID /	Operation Description			Set Up/ Run Hours	Tool ID	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Rev	vision Nbr										•
D3407	Rev	E										14-03-19
100 <b>*1</b>		Large Fab <b>Memo</b>			0.00				14			JA
Large Fab		Weld D A/R	3407-1/-5 using TIG174 ROD	welding rod 7 Batch:	16174 as per Dwg D3407	& QSI 004						·
*110 *110*		QC9- Inspect visual	per QSI004- Fu	sion Welds	0.00				PT)	14:02	10	DAS 9
QC Quality Control		Мето			0.00					14.05	D.(7	9.89
										×		
120 *120*		QC5- Inspect part co	ompleteness to s	tep on W/O	0.00				(II)	וע ה	)}-IS	DAS 9 9-89
QC Quality Control		Memo			0.00	,				14-10	~ <u>~~</u>	

DQA:			Date:											7		
						WORK ORDER NON-CONFORMANCE / UPDATE										
QA Closed:			Date:								Nork (	Order up	date only			
Work Orde	er:					DISPOSITION				AGAINST [	DEPAR	PARTMENT/PROCESS				
	•				_	Rework	1	Skid-tube Crosstube				Water Jet			Engineering	
Part N	lo.					Scrap	1	Machining Small Fab				Pro	d. Eng. Coor.		Quality	
						Use-as-is		Thern	noforming	Finishing	7	Rec/Sto	re/Packaging		Other	
NCR No.						Suspected Unapproved			Large Fab	Composite						
Root	Ī				Desci	ription of work order update		nitial	Act	tion	S	ign &				
Cause		Date	Step	Qty		or non-conformance		ief Eng	ł	ription		Date	Verification	۱	QC Inspector	
Design		<del></del>						<u>.</u>				,		T		
Doc/Data														l		
Equip/Tooling							Ì							-		
Handling/Pre											İ					
Material														ļ		
Operator						•			ļ		-					
Offset/Setup											İ					
Process			1			·										
Supplier													!			
Training													ļ			
Transport	Ш						ļ									
Unapproved			<u> </u>						<u> </u>							
	FAULT CATEGORY															
Landi		1			_	General		1		г	<del>-</del> 1			<b>-</b>		
	<u> </u>	Bending			$\perp$	Bend	_	•	Program	1	_	tside Dim	<u> </u>	_	Pressure/Forced	
		Centre N	ot Concei	ntric	<u> </u>	BOM/Route	_	Grain		1	_	-	tolerance	_	Set-up	
	<u> </u>	Cracks				Broken/Damage/Defect	$\vdash$	Hardwa				rt Incorre		_	Temperature/Cure	
	-	Crimp/Kii	nk/Ripple	e/Wave	<u> </u>	Burrs	_	4 '	ion Incomplete/U	· ·		rt Lost/M	-	$\dashv$	Weld	
		Cuffs				Contamination	<u> </u>	-	tions Incomplete/	Unclear		rt Moved		'	Wrong Stock Pulled	
	<u> </u>	Crushing				Countersink	<u>_</u>	4 '	gned/off center			sitioned \		$\neg$	Other	
	$\vdash$	Heat Trea			<u> </u>	Cut Too Short	<u> </u>	Mislab		L	Po	wer Loss,	'Surge _		Other	
•	Inspection Strip in Tube					Drawing	_	Misrea					<u></u>			
	Marks/Chatter					Drill Holes	_	Off-set					<u></u>			
	Turning Sequence					Finish	$\vdash$	4	Calibration			<u></u> .				
	Wave/Twist in Tube					Fit/Function		Out of	Sequence			***				

Work Ord January-30-14				*	11224	<b>47</b> *							Page 2
Item ID: Revision ID: Item Name: Start Date: Required Date Reference:	D3407-041  Tow Ring  1/30/14  : 1/30/14	Start Qty: 10.00 Req'd Qty: 10.00	*10*	Accept	*		900040100  ust Item ID: ustomer:			Setup	Start Stop	·· 1 VI .	S1* S2*
Approvals:	Process Pla	an:	Date:	Tooling SPC (Y			Date:			Run	Start Stop		R1* R2*
Sequence ID/ Work Center I  130  *120* Powdercoat  Powder Coating	D ,	OTT A DITT OTT A	aded Section** E:, // / / / / / / / / / / / / / / / / /	Set U Run 0.00 0.00	DAS 27 9-89	Tool ID	Tool #	Plan Code	Accep Qty	Qty	·	Reject Number 3- A	Insp. Stamp
Quality Control  150  *150* Packaging Packaging		Identify as per dwg & Sto  Memo	ck Location 5463	0.00				(	4	M	<u>AR 2</u> 0	2014	DAS 06 9-89

DQA:			Date:													
QA Closed:			Date:			WORK ORDER NON-	-CC	ONFO	RMANCE / U		Vork Order ı	ındate only - F	AEROSPACE			
an closed.			Date.								VOIR Order (	ipaate only				
Work Orde	er:					DISPOSITION		1		AGAINST D	EPARTMEN	ARTMENT/PROCESS				
	•				_	Rework			Skid-tube	Crosstube		Water Jet	Engineering			
Part No.						Scrap			Machining	Small Fab	Pr	od. Eng. Coor.	Quality			
						Use-as-is		Thern	noforming	Finishing	Rec/St	ore/Packaging	Other			
NCR No.						Suspected Unapproved			Large Fab	Composite		Supplier				
	-		T					(4) (	l á.	.4	T c: 0	<u> </u>				
Root						ription of work order update	i	nitial		ction	Sign &	Vanification.	OC Inchestor			
Cause	_	Date	Step	Qty		or non-conformance	Cn	ief Eng	Desc	cription	Date	Verification	QC Inspector			
Design	_															
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Handling/Pre Material									ļ							
Operator	$\dashv$								<b>!</b>							
Offset/Setup	$\dashv$															
Process							ļ									
Supplier		·					Ì									
Training		,														
Transport																
Unapproved																
							FA	ULT CA	TEGORY							
Landi	ng (	Gear				General				_		_				
		Bending				Bend		Folio/F	Program		Outside Di	-	Pressure/Forced			
		Centre No	ot Concer	ntric		BOM/Route		Grain			<b>⊣</b>	er tolerance	Set-up			
		Cracks			_	Broken/Damage/Defect		Hardwa		<u> </u>	Part Incorr	<u> </u>	Temperature/Cure			
	_	Crimp/Kir	rk/Ripple	/Wave	<u> </u>	Burrs	_	4	ion Incomplete/U		Part Lost/I		Weld			
	_	Cuffs				Contamination	<u>_</u>	4	tions Incomplete,	-	Part Move	_	Wrong Stock Pulled			
		Crushing				Countersink	$\vdash$	4	gned/off center	` <u></u>	Positioned		$\neg$			
	<u> </u>	Heat Trea			<u> </u>	Cut Too Short	<u> </u>	Mislab		Ĺ	Power Los	s/Surge	Other			
	Inspection Strip in Tube					Drawing	$\vdash$	Misrea								
	Marks/Chatter					Drill Holes	<b>—</b>	Off-set				· · ·				
		Turning S				Finish	_	4	Calibration		<del></del>					
ĺ	Wave/Twist in Tube					Fit/Function	Out of Sequence									

Work Ord January-30-14				*112247*								Page	3
Item ID: Revision ID: Item Name:	D3407-041 Tow Ring			Accept	*N900	<b>040</b>	100	)*	Setup	Start Stop		S1*	
Start Date: Required Date Reference:	1/30/14 : 1/30/14	Start Qty: 10.00 Req'd Qty: 10.00	*10* *10*		Cust Item II Customer:	<b>)</b> :							
Approvals:	Process Pla	nn:	Date:	Tooling: _ SPC (Y/N):	Date: Date:				Run	Start Stop		R1* R2*	
Sequence ID/ Work Center I	D -	Operation Description  QC21- Final Inspection -	Work Order Release	Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accept Qty	Rej Qty		Reject Number	Insp. Stamp	
*1 60*		Memo		0.00					- <b>-</b>	<u>V 14-</u>	-03-20	, <u> </u>	_
Quality Control									Di	1.03	10		

DQA:			Date:			WORK ORDER NON-CONFORMANCE / UPDATE										
QA Closed:			Date:			WORK ORDER IJOH			MINIMICE / C		Wor	k Order up	date only	٦	AEROSPACE	
Work Orde	er:					DISPOSITION				PROCESS						
Part No						Rework Scrap Use-as-is Suspected Unapproved		Skid-tube Crosstube  Machining Small Fab  Thermoforming Finishing  Large Fab Composite			<b>⊣</b> ` ` ` `				Engineering Quality Other	
Root	pot De:					ription of work order update	Ī	nitial	Ac	tion		Sign &	· · ·	Т		
Cause		Date Step Qty				or non-conformance	Ch	ief Eng	Desc	ription		Date	Verification		QC Inspector	
Design Doc/Data Equip/Tooling Handling/Pre Material Operator Offset/Setup Process Supplier Training Transport Unapproved																
							FA	ULT CA	TEGORY							
Landi		Bending Centre Not Concentric Cracks Crimp/Kink/Ripple/Wave Cuffs Crushing Heat Treat Inspection Strip in Tube Marks/Chatter Turning Sequence				General Bend BOM/Route Broken/Damage/Defect Burrs Contamination Countersink Cut Too Short Drawing Drill Holes Finish		Grain Hardwa Inspect Instruc Misalia Mislaba Misrea Off-set	ion Incomplete/U tions Incomplete/ gned/off center eled d	F	Dutside Dim Dver/Under Part Incorred Part Lost/Mi Part Moved Positioned V Power Loss/	tolerance ci ssing Vrong		Pressure/Forced Set-up Temperature/Cure Weld Wrong Stock Pulled Other		
<u> </u>	Wave/Twist in Tube					Fit/Function		Out of Sequence								

Required Date: 1/30/14

Required Qty: 10.00

**Start Date:** 1/30/14

**Start Qty: 10.00** 

January-30-14 11:22:39 AM

Work Order ID:

112247

Parent Item:

D3407-041

**Parent Item Name:** 

Tow Ring

C IV TO	IPP Rev:B 08-09-												
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3407-1		Manufactured	No			100	Each	22.0000	1	10			
Stem										:=·			····
				Location		Loc Qty	<u>L</u>	c Code					
				WA001		. 22				·			
				Ja	3869	6			<i>(71</i> a				
<b>DAME -</b>	2			10	09128*	16			125	2 * 1.4 # }			
D3407-5		Manufactured	No			100	Each	13.0000	1	10			
Ring													· · · · · · · · · · · · · · · · · · ·
				<b>Location</b>		Loc Qty	<u>L</u>	c Code					
				WA001		13							
				10	08467	13			Ja	<u> </u>			
				4	nula:				do	SIL			

DQA:			Date:										TRAGE			
						WORK ORDER NON-CONFORMANCE / UPDATE										
QA Closed:			Date:							V	Vork Order u	pdate only				
Work Orde	or.					DISPOSITION				AGAINST D	EPARTMEN <sup>-</sup>	ARTMENT/PROCESS				
WOIR OIG	-' -					Rework	ıl		Skid-tube	Crosstube		Water Jet	Engineering			
Part No.						Scrap			Machining	Small Fab	Pro	od. Eng. Coor.	Quality			
, ,,,,,	-					Use-as-is		Thermoforming Finishing				re/Packaging	Other			
NCR No.						Suspected Unapproved			Large Fab	Composite		Supplier				
												·				
Root	İ	Des				ription of work order update	i	nitial		ion	Sign &					
Cause		Date	Step	Qty		or non-conformance	Ch	ief Eng	Descr	iption	Date	Verification	QC Inspector			
Design	Ш															
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Handling/Pre																
Material											İ					
Operator							l									
Offset/Setup							ļ									
Process																
Supplier																
Training																
Transport					ļ		ļ									
Unapproved			<u> </u>				<u> </u>									
	FAULT CATEGORY															
Landi	ng (	Sear			_	General		1 .		г	<del>-</del> 7	Γ-	<b>-</b>			
		Bending			_	Bend	lacksquare	4	Program	_	Outside Di	<del> </del>	Pressure/Forced			
		Centre No	ot Concer	ntric		BOM/Route	L	Grain		-	Over/Unde	F	Set-up			
		Cracks			L	Broken/Damage/Defect		Hardwa		<u> </u>	Part Incorr	<b>⊢</b>	Temperature/Cure			
:		Crimp/Kink/Ripple/Wave				Burrs	_	4 `	ion Incomplete/U	-	Part Lost/N	· · · · -	Weld			
		Cuffs				Contamination		4	tions Incomplete/I	Unclear	Part Move	<u> </u>	Wrong Stock Pulled			
		Crushing				Countersink		4 `	gned/off center		Positioned		_			
		Heat Treat				Cut Too Short		Mislab	eled	L	Power Loss	/Surge	Other			
ļ		Inspectio	n Strip in	Tube		Drawing		Misrea	d							
		Marks/Chatter				Drill Holes		Off-set								
	Turning Sequence					Finish		Out of	Calibration							
	Wave/Twist in Tube					Fit/Function	$\perp$	Out of	Sequence							









